

GenCore version 5.1.4-p5.4578  
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OM protein - protein search, using sw model

Run on: May 12, 2003, 14:50:02 ; Search time 79 Seconds  
(without alignments)  
1334.193 Million cell updates/sec

Title: US-09-804-472-2

Perfect score: 4177  
Sequence: 1 MDASSDPYLPYDGGCDNIPL.....DILRHMAQTANDPASIMFN 791

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 908470 seqs, 133250620 residues

Total number of hits satisfying chosen parameters: 908470

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :  
1: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1980.DAT:\*  
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21: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA2001.DAT:\*  
22: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA2002.DAT:\*  
23: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA2002.DAT:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	3946	94.5	866	23	ABB81616	Human chloride cha
2	3171.5	75.9	766	22	AAW79259	Human protein SEO
3	2619	62.7	851	21	AAW29627	Cat flea HMT VG Cl
4	2486	59.5	873	22	AAE02339	Drosophila melanog
5	2442.5	58.5	1203	22	ABG05471	Novel human diagno
6	2442.5	58.5	1597	22	ABG03989	Novel human diagno
7	2442.5	58.5	1597	22	ABG10253	Novel human diagno
8	2442.5	58.5	1597	22	ABG10812	Novel human diagno
9	2442.5	58.5	1597	22	ABG19902	Novel human diagno
10	2442.5	58.5	1599	22	ABG07884	Novel human diagno

11	2442.5	58.5	1599	22	ABG14450	Novel human diago
12	2442.5	58.5	1784	22	ABG09148	Novel human diago
13	2374.5	56.8	732	22	ABG61396	Drosophila melanog
14	1567.5	37.5	386	22	ABG11718	Human voltage gate
15	1567.5	37.5	386	22	AAW80243	Human protein SEO
16	822	19.7	182	22	AAW56570	Human brain expres
17	822	19.7	182	22	AAW68746	Human bone marrow
18	754.5	18.1	1097	22	ABG11833	Human Cl channel h
19	752.5	18.0	805	23	ABW85023	Pain regulated pro
20	751	18.0	803	23	ABW85024	Pain regulated pro
21	751	18.0	803	23	ABW85025	Pain regulated pro
22	750.5	18.0	805	22	AAW38696	Human polypeptide
23	750.5	18.0	816	22	ABG19474	Novel human diago
24	750.5	18.0	816	22	AAW40482	Human polypeptide
25	692	16.6	813	22	ABW63944	Drosophila melanog
26	687.5	16.5	166	22	ABW37425	Peptide #4931 enco
27	687.5	16.5	166	22	AAW18394	Peptide #4828 enco
28	656.5	15.7	898	21	AAW69633	Human gastric chlo
29	656	15.7	875	22	ABW11826	Human Cl channel h
30	652	15.6	907	21	AAW69632	Rat brain chloride
31	646	15.5	898	21	AAW69631	Rabbit gastric chl
32	565.5	13.5	161	22	ABW33275	Peptide #781 enco
33	565.5	13.5	161	22	ABW18737	Protein #736 enco
34	565.5	13.5	161	22	AAW54067	Human brain expres
35	552	13.2	1020	22	ABW62820	Drosophila melanog
36	546.5	13.1	1229	22	ABG19475	Novel human diago
37	538.5	12.9	687	20	AAW13937	Human ClCNK prote
38	528	12.6	654	23	AAW16784	Human transporter
39	481.5	11.5	686	15	AAW60336	ClC-K1 protein. R
40	370.5	8.9	512	23	ABW55010	Lactococcus lactis
41	322	7.7	522	23	ABW28064	Streptococcus poly
42	321.5	7.7	510	23	ABW28063	Streptococcus poly
43	314	7.5	272	23	ABW41489	Human ovarian anti
44	297	7.1	469	23	AAW72939	Nelisseria meningit
45	267	6.4	75	22	ABW28101	Human peptide #752

## ALIGNMENTS

RESULT 1	ABB81616	standard; Protein; 866 AA.
ID	ABB81616;	
XX	AC	ABB81616;
XX	DT	24-SEP-2002 (first entry)
XX	DE	Human chloride channel protein sequence SEQ ID NO:2.
XX	KW	Human: chloride channel; ClC-N3A; ClC-N3B; CPTA; cystic fibrosis;
KW	KW	cystic fibrosis transmembrane conductance regulator; ClC-3B;
XX	XX	respiration.
XX	OS	Homo sapiens.
XX	PN	MO200244369-A1.
XX	XX	06-JUN-2002.
XX	PF	30-NOV-2001; 2001MO-JP10499.
XX	PR	30-NOV-2000; 2000JP-0365103.
XX	PA	(BANT ) BANTU PHARM CO LTD.
XX	PA	(FURU/) FURUKAWA T.
XX	PA	(OGUR/) OGURA T.
XX	PI	Furukawa T, Ogura T;
DR	WPI	2002-557541/59.
XX	DR	N-PSDB: ABG73032.
XX	XX	

Query Match	Best Local Similarity	Score	DB	Length
Matches 758; Conservative	96.38;	3946;	23;	866;
		Pred. No. 0;		
		Mismatches 13; Indels 12; Gaps 3;		
3 ASSDPLPYPDGGG-----DNIPLELHKRGTHYMTNGSGINSSTHLLDDEPI	11: 1			52
22 ASSDEEL-LDGAAGVIMDPOTSEDDN-LDGPRAVGHYMTNGSGINSSTHLLDDEPI	11: 1			79
53 PCGVGYDDEHTIDWREKCKDREHRRIRNSKKESAMEMTKSLYDAMSGMLVVTLTGLAS				112
80 PCGVGYDDEHTIDWREKCKDREHRRIRNSKKESAMEMTKSLYDAMSGMLVVTLTGLAS				139
113 GALAGIDIDAAOMMDLKCICLSALWYHECCMGSGNSTFEEDPKQOMTKMELLIG				172
140 GALAGIDIDAAOMMDLKCICLSALWYHECCMGSGNSTFEEDPKQOMTKMELLIG				199
173 QAEQPGSYIMNYIMYIFMALSPFAVLAVSVKFAFAPYACSGSIPETKITLSGPIINGYLCK				232
200 QAEQPGSYIMNYIMYIFMALSPFAVLAVSVKFAFAPYACSGSIPETKITLSGPIINGYLCK				259
233 WMLMKTTITLVAVASGSLGKEGPLYNHACCOCNIFSLPFKYSTNEAKKREVLASASA				292
260 WMLMKTTITLVAVASGSLGKEGPLYNHACCOCNIFSLPFKYSTNEAKKREVLASASA				319
293 AGVSVAFGAPIGVLFSELEVSYFPEPLKTIKMSFPAALAAAVLRSINFGNSRLVLFVY				352
320 AGVSVAFGAPIGVLFSELEVSYFPEPLKTIKMSFPAALAAAVLRSINFGNSRLVLFVY				379
353 EYHTWYLYFELFEPFLLGVFGGLMGAFPIRANIAMCRKRSKTEGKYVLEVYIAAATA				412
380 EYHTWYLYFELFEPFLLGVFGGLMGAFPIRANIAMCRKRSKTEGKYVLEVYIAAATA				439
413 VYAFNPPTRLTMSLTKELFTDCGPRESSLCIDYRNDMNAKIIDYDDIPDRAGIGVISA				472
440 VYAFNPPTRLTMSLTKELFTDCGPRESSLCIDYRNDMNAKIIDYDDIPDRAGIGVISA				499
473 IWOLCLALFLKIIIMTVFTEGIVKVPISGILFIPSAIGAIGRIVGIAVEOLAYVHHDMFTEK				532
500 IWOLCLALFLKIIIMTVFTEGIVKVPISGILFIPSAIGAIGRIVGIAVEOLAYVHHDMFTEK				559
533 EMCCEYGACCIPIPGILVAMGAACGLGVTVMYSLVVIYFELTGLGLEYIYPLMAAAMTSKW				592
560 EMCCEYGACCIPIPGILVAMGAACGLGVTVMYSLVVIYFELTGLGLEYIYPLMAAAMTSKW				619
593 VGDAGRGREGIYEAHRLNGVYPLDLAKKEEFTHTTLADYWRPERRNPPPLAVLTLQDMMTYDD				652
620 VGDAGRGREGIYEAHRLNGVYPLDLAKKEEFTHTTLADYWRPERRNPPPLAVLTLQDMMTYDD				679
653 IENMINEISYNGFPVYIMSKESORLVGFALRDLITAIASARKKQEGIVGSSRVCFQAHTP				712
680 IENMINEISYNGFPVYIMSKESORLVGFALRDLITAIASARKKQEGIVGSSRVCFQAHTP				739
713 SLPAESPRLKRLSLDMSPTVDTHTPMEIYVDIFRKLGLRQCLVTHNGRLGLITTKD				772
740 SLPAESPRLKRLSLDMSPTVDTHTPMEIYVDIFRKLGLRQCLVTHNGRLGLITTKD				799
773 ILRHMAQ				779

DB	<div></div>	800 ILEHLQ 806 <div></div>
RESULT 2		
ID	AAM79259	
XX	AAM79259 standard; Protein; 766 AA.	
AC	AAM79259;	
DT	06-NOV-2001 (first entry)	
DE	Human protein SEQ ID NO 1921.	
KW	Humane; cytokine; cell proliferation; cell differentiation; gene therapy; vaccine; peptide therapy; stem cell growth factor; haematopoiesis; tissue growth factor; immunomodulatory; cancer; Leukaemia; nervous system disorder; arthritis; inflammation. Homo sapiens. WO200157190-A2. PD PD 09-AUG-2001. PF PF 05-FEB-2001; 2001WO-US04098. PR PR 03-FEB-2000; 2000US-0496914. PR PR 27-APR-2000; 2000US-0560875. PR PR 20-JUN-2000; 2000US-0598075. PR PR 19-JUL-2000; 2000US-0620325. PR PR 01-SEP-2000; 2000US-0654936. PR PR 15-SEP-2000; 2000US-0663561. PR PR 20-OCT-2000; 2000US-0693325. PR PR 30-NOV-2000; 2000US-0728422. XX XX (HYSE-) HYSEQ INC. PA PA Tang YN, Liu C, Dirmnac RT, Asundi V, Zhou P, Xu C, Cao Y, Ma Y, PI Zhao QK, Wang D, Zhang J, Ren F, Chen R, Wang ZW; PI Xue AJ, Yang Y, Wejhrman T, Goodrich R; XX XX WPI: 2001-476283/51. DR N-PSTB; AAK52392. XX XX Nucleic acids encoding polypeptides with cytokine-like activities, PT useful in diagnosis and gene therapy - PT Claim 20; Page 4320-4322; 6221pp; English. PS PS The invention relates to polynucleotides (AAK51456-AAK53435) and the CC encoded polipeptides (AAM79323-AAM80302) that exhibit activity elating to CC cytochrome, cell proliferation or cell differentiation or which may induce CC production of other cytokines in other cell populations. The CC polynucleotides and polypeptides are useful in gene therapy, vaccines or CC peptide therapy. The polypeptides have various cytokine-like activities, e.g., stem cell growth factor activity, haematopoesis regulating CC activity, tissue growth factor activity, immunomodulatory activity and CC activin/inhibin activity and may be useful in the diagnosis and/or CC treatment of cancer, leukaemia, nervous system disorders, arthritis and CC inflammation. Note: Records for SPO ID NO 2110 (AAK52581), 2111 (AAK52582) and 3666 CC (AAM80020) are omitted as the relevant pages from the sequence listing were missing at the time of publication. SQ Sequence 766 AA; Query Match 75.9%; Score 3171.5; DB 22; Length 766; Best local similarity 76.4%; Pred. No. 0; Matches 579; Conservative 86; Mismatches 92; Indels 1; Gaps 1 34 NGCSINSSHTLLDLDPGVGTVDFTTDWBEKKCDREARRIRNSKKESAWEMTK 93       :  :   :::  :    ::::  ::  :  :	



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Db 416 VEYNKPIFFELIFIGIIGVATLFIKANLYMCYRKRFSKLGQPVAVELVAVAT 475
Qy 412 AVIAFPMPYRLNSELKEFTDCGLESSICDYRNDMAKIVDDIPRPAIGVYS 471
Db 476 AVIAPMPYRLNSELKEFTDCGLESSICDYRNDMAKIVDDIPRPAIGVYS 533
Qy 472 AIVOLCALIFKRIIMPTFTFGIKVPSCGFIPSMAGIAGRIVGAVEOLAYHHDMFIF 531
Db 534 AVMLLIALVILKIMTYFTFGMKVPCGFIPSLCLGAIMGRIVGIGIEQLAYYPRKLMF 593
Qy 532 KEMCEVADCTTPEGLYAVGACGLGVTMTVSLVVIIVELTGLEXYPLMAVMTSK 591
Db 594 SGCESTGDNCTTPEGLYAVGAAVLGVTMTVSLVVIIVELTGLEXYPLMAVMAASK 653
Qy 592 WVGDAFREGIEVHRIHNGPFLDAKEEFTHTTLADVVRPRRNDPPLAVLTODNNMTVD 651
Db 654 WVGDAFGROGIYDNIHNLNGPFLDSKDEFAHSLADVVMQPKRNE-TLSVITODSMTVD 712
Qy 652 DIENMINETSYNGFPVIMSKESQRLVGFALRDLTTIAESARKKQEGIVGSSRVCFAOHT 711
Db 713 DVEGLKETEINGPVVVSRESQYLVGLRRDLNLAIAARRMIDITGOSLVLF-NG 771
Qy 712 PSLPAESPRPLKRSIILDMSPFTVTDHTPMEIYVDIFRKLGLROCLVTHNGRLIGITTKK 771
Db 772 PTVOISLGPPLKLLKILDMAPITVTDTPMETVDMFRKLGRLQTLVTHNGRLIGITTKK 831
Qy 772 DILRHMAQTANODPASIMFN 791
Db 832 DVLRHVAKOMDENSTILFN 851

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RESULT 4
AAE02339
ID AAE02339 standard; Protein; 873 AA.
AC AAE02339;
XX
XX 10-AUG-2001 (first entry)
XX
XX Drosophila melanogaster chloride channel (dmCLC) protein.
XX
XX Chloride channel; dmCLC; metazoan invertebrate; biopesticide;
XX therapeutic.
XX
XX Drosophila melanogaster.
XX
XX Key Location/Qualifiers
XX Domain 113..133
XX Domain /label= Transmembrane_domain
XX Domain 185..205
XX Domain /label= Transmembrane_domain
XX Domain 265..285
XX Domain /label= Transmembrane_domain
XX Domain 318..338
XX Domain /label= Transmembrane_domain
XX Domain 338..345
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XX Domain /note= "Conserved signature sequence for
XX Domain anion-selective ion pores"
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XX Domain /label= Transmembrane_domain
XX Domain 375..395
XX Domain /label= Transmembrane_domain
XX Domain 409..429
XX Domain /label= Transmembrane_domain
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XX Domain 485..505
XX Domain /label= Transmembrane_domain
XX Domain 558..578
XX Domain /label= Transmembrane_domain
XX Domain 581..601
XX Domain

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FT FT /label= Transmembrane_domain
FT FT 654..674
FT FT /label= Transmembrane_domain
FT FT 719..773
FT FT /label= CBS_domain
FT FT 778..798
FT FT /label= Transmembrane_domain
FT FT 808..860
FT FT /label= CBS_domain

MO200138359-A2.
PD 31-MAY-2001.
XX
XX 29-NOV-2000; 2000WO-US32816.
XX
XX 29-NOV-1999; 99US-0167807.
XX
XX 31-JAN-2000; 2000US-0179167.
XX
XX 01-MAR-2000; 2000US-0186561.
XX
XX 22-MAR-2000; 2000US-0190968.
XX
XX 22-MAR-2000; 2000US-0191400.
XX
XX (GENO-) GENOPTERA LLC.
XX
XX Ebens AJ, Francis-Lang H, Keegan KP, Stout TJ, Kellerman KA;
XX Torpey J;
XX WPI: 2001-355882/37.
XX
XX N-PSDB; AAD05207.
XX
XX Invertebrate receptor nucleic acids isolated from Drosophila
XX melanogaster which can be used to genetically modify metazoan
XX invertebrate organisms resulting in expression or mis-expression of the
XX receptor protein.
XX
XX Claim 10; Page 70-72; 76pp; English.
XX
XX The patent discloses invertebrate receptor nucleic acids and
XX proteins isolated from Drosophila melanogaster. The sequences
XX of the present invention are used to genetically modify metazoan
XX invertebrate organisms such as insects and worms, resulting in the
XX expression or mis-expression of the receptor protein. The nucleic
XX acid molecules of the invention are used as hybridisation probes. In
XX expression vectors and to modify a host cell or animal and therefore
XX provide new means of providing biopesticides. The genetically modified
XX organisms are used in screening assays to identify compounds that are
XX potential pesticidal agents or therapeutics that interact with the
XX receptor proteins.
XX The present sequence is Drosophila melanogaster chloride channel
XX (dmCLC) protein.
XX
XX Sequence 873 AA:
XX
XX Query Match 59.5%; Score 2486; DB 22; Length 873;
XX Best local Similarity 63.6%; Pred. No. 2; le-252;
XX Matches 470; Conservative 113; Mismatches 144; Indels 12; Gaps 8;
XX
Qy 57 TYDDEFTIDVREKCKDREHRRIRNSKRKESAWEMTKSLYDANSGMLVYTLGLASGALA 116
Db 143 TYDEFTIDWORDIARDRMHRYIVKRRQSLMDLKGSDAGSGMLCVLVGTIAGCVA 202
Qy 117 GLIDIAADMTDLKEGICLSALWYNEOCCWGSNETTFFERDKCPQMKVABELITQAGC 176
Db 203 GWDVIGASWSDLKHGICPAFWFNREOCCYPAKQSVFEE-GNCSYWKTPVETFGIDRRG 261
Qy 177 PGSYINMYIYFWALSPFAVLAVSLVKVPYACGSGIPEIKTHISGFIIRGLGKWTLM 236
Db 262 TGPYIYAVIYVIALFLPSLSLSLVMPAPYACGSGIPEIKTHISGFIIRGLGKWTLM 321
Qy 237 IKTTIVLAVASGLSGKREPLVAVACCGNIFSYLPPRYSTNEAKRREVLSAASAGVS 296
Db 321 IKTTIVLAVASGLSGKREPLVAVACCGNIFSYLPPRYSTNEAKRREVLSAASAGVS 381

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Db 322 IKSVMGLMSVAGITLTKESBPWMIASCIQNIISHPFKYGRNEAKKREILSAAAGVS 381
OY 297 VARGAPIGVLFSLSEVSYFFPLKTLRSPFPAALVAAPVLRISINPFGNSRLVLFVEYHT 356
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Db 382 VARGAPIGVLFSLSEVSYFFPLKTLRSPFPAALVAAPVLRISINPFGNSRLVLFVEYHT 441
OY 357 PWTLELPILLGVFGGLGAFIRANIAMCRRKSKTKGKYPVLEVIIVATIAVIAF 416
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 442 PWTLELPILLGVFGGLGAFIRANIAMCRRKSKTKGKYPVLEVIIVATIAVIAF 501
OY 417 PNTYRLNTELSKELETTDGGPLE-SSSLCDYRNDMNAKIVDDIPDRPAGIGYSAMIQ 475
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 502 PNPETRRNNMELLFLVSKSPGVDVPLCDYKR-MNITSNSFTEVTEPQGVYSIWL 560
OY 476 LCLALFKIIMTVFTGIRKPSGLFTIPSMAGIAGRIVGIAVEQLAY-YHDMFIREW 534
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Db 561 LMLTELKALITFTFGMKVPAGLFIPLSLLAGIMGRIVGIVGQFQSPNIMFTFCEC 620
OY 535 CEVGADCTITGLYAMGAACLGAVTRMYVSLVYVETLTGLEYIVPLMAAVMTSKWVG 594
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 621 AD--SNLITPGLAVVGAAGVAVLGVRMTVSLVYIMFELTGAVYIVPLMAAAMASRWG 678
OY 595 DAGREGIYFAHRLNGLYPLDAKEEFTHTTTLADAVMRPRRNDPPLAVLQDMNTVDDIE 654
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Db 679 DALGRQIYAHIALNCPPLDSKEEFAHTTLADAVMQPRNE-TLVNITQDSMTVDVE 737
OY 655 MNINETSNGEPYIMSKESQRLVGFALRDLTIAESARRKQEGIVSGSHVCEQAHTPSTL 714
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Db 738 NLKETFHNGYPPVVSRENGYLVGFVLRDLNLALGNAKRLIEGSSSIIVLF---TSSQ 794
OY 715 PAAS--PRPKLSILDMSEFTYTDHTPMETIVDIFPKLRLQCLVTHNGRLIGITKKD 772
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Db 795 PIGNLGQPKLTKKIDMAPIYTDQPMETVYDMERKLGRLQTLVTHNGRLGLVITKKD 854
OY 773 ILRMAQTANOCPASIMFN 791
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Db 855 VLRHKQMDNEDPNTVLFN 873

RESULT 5
ABG05471
ID ABG05471 standard: Protein: 1203 AA.
AC ABG05471:
XX
XX 13-FEB-2002 (first entry)
XX
XX
DE Novel human diagnostic protein #5462.
XX
XX Human; Chromosome mapping; gene mapping; gene therapy; forensic;
XX KW food supplement; medical imaging; diagnostic; genetic disorder.
XX OS Homo sapiens.
XX
XX PN MO200175067-A2.
XX
XX PD 11-OCT-2001.
XX
XX PF 30-MAR-2001: 2001MO-US08631.
XX
XX PR 31-MAR-2000: 2000US-0540217.
XX PR 23-AUG-2000: 2000US-0649167.
XX
XX PA (HYSE-) HYSEQ INC.
XX
XX PI Drmanac RT, Liu C, Tang YT;
XX
XX DR WPI, 2001-639362/73.
XX
XX DR N-PSDB: AAS69658.
XX
XX PT New isolated polynucleotide and encoded polypeptides, useful in
XX PT diagnostics, forensic, gene mapping, identification of mutations
XX PT responsible for genetic disorders or other traits and to assess

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PT biodiversity
XX
XX Claim 20; SEQ ID No 35830; 103pp: English.
XX
CC The invention relates to isolated polynucleotide (I) and
CC polypeptide (II) sequences. (I) is useful as hybridisation probes,
CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome
CC and gene mapping, and in recombinant production of (II). The
CC polynucleotides are also used in diagnostics as expressed sequence tags
CC for identifying expressed genes. (I) is useful in gene therapy techniques
CC to restore normal activity of (II) or to treat disease states involving
CC (II). (II) is useful for generating antibodies against it, detecting or
CC quantitating a polypeptide in tissue, as molecular weight markers and as
CC a food supplement. (II) and its binding partners are useful for medical
CC imaging of sites expressing (II). (I) and (II) are useful for treating
CC disorders involving aberrant protein expression or biological activity.
CC The polypeptide and polynucleotide sequences have applications in
CC diagnostics, forensics, gene mapping, identification of mutations
CC responsible for genetic disorders or other traits to assess biodiversity
CC and to produce other types of data and products dependent on DNA and
CC amino acid sequences. ABG00010-ABG30377 represent novel human
CC diagnostic amino acid sequences of the invention.
CC Note: The sequence data for this patent did not appear in the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pcl_sequences.
XX
XX Sequence 1203 AA:
XX
Query Match 58.5%; Score 2442.5; DB 22; Length 1203;
Best Local Similarity 61.6%; Pred. No. 1,4e-247;
Matches 467; Conservative 70; Mismatches 64; Indels 157; Gaps 3;
OY 34 NGGSINSFHLIDLDPPIGVGTGYYDDFHATDWRECKDERHRRINSKKESAMETK 93
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 603 NGGIGSSNNIMDFLEPRICGVGYDDFNITDWRKRSRRDRR----- 647
OY 94 SLVDAMSGMLVLTTLGLASGALGLIDIAADMWMTLKEGICLSALWYNHQCCGWSNETT 153
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 648 ----- 647
OY 154 FEERDKCPQKKTNAELITGAEQGSYIMNYIMYIPALSAFPLAVSLVYAFYACGSG 213
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Db 648 -----EGAFAYIVNFMVTLWALLFAFLAVSLVKVFAYACGSG 686
OY 214 IPEIKTILSGFIIRGYLGKMTLMKTTTLVAVASGLCKEGPLVAVACCGNIFYL 273
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 687 IPEIKTILSGFIIRGYLGKMTLVKTTTLVAVASGLCKEGPLVAVACCGNIIHC 746
OY 274 PKYSTNEAKKREVLASAAGSVAFGAPITGVLFSLSEVSYFFPLKTLRSPFPAALVAA 333
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 747 NKYRKNAKRRREVLASAAGSVAFGAPITGVLFSLSEVSYFFPLKTLRSPFPAALVAA 806
OY 334 FVLRSINPFGNSRLVLFVEYHTPMYLFELFPILLGVFGGLGAFIRANIAMCRRKRS 393
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Db 807 FTLRSINPFGNSRLVLFVEYHTPMYLFELFPILLGVFGGLGAFIRANIAMCRRKRT 866
OY 394 TKFGKYPVLEVIIVATIAVIAFPNPTRLNTELSKELETTDGGPLESSSLCDYRNMNA 453
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 867 TOLGKPVIEVLVYATITALLAPNETRMTSELSLNDGCLDSSKLCIDYENFNT 926
OY 454 SKIVDDIPDRPAGIGVSAIWOCLALIFKIMTVFTGIRKPSGLFTIPSMAGIAGRI 513
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Db 927 SK-GGELPDRPAGIGVSAIWOCLALIFKIMTVFTGIRKPSGLFTIPSMAGIAGRI 985
OY 514 VGIAPQLAYYHHDMFIFKMECEVADCTITGLYAMGAACLGAVTRMYVSLVYVIFEL 573
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Db 986 LGVGMEDLAYYHOEWTVFNSWCSGADCTITGLYAMGAACL----- 1028
OY 574 TGLLEYIVPLMAAVMTSKWGDVAFREGIYFAHRLNGLYPLDAKEEFTHTTTLADVMRP 633
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Db 1029 -----AKKEFAKTKTAMDVMKP 1045
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CC polynucleotides are also used in diagnostics as expressed sequence tags  
 CC for identifying expressed genes. (I) is useful in gene therapy techniques  
 CC to restore normal activity of (II) or to treat disease states involving  
 CC (II). (II) is useful for generating antibodies against it, detecting or  
 CC quantitating a polypeptide in tissue, as molecular weight markers and as  
 CC a food supplement. (II) and its binding partners are useful in medical  
 CC imaging of sites expressing (II). (I) and (II) are useful for treating  
 CC disorders involving aberrant protein expression or biological activity.  
 CC The polypeptide and polynucleotide sequences have applications in  
 CC diagnostics, forensics, gene mapping, identification of mutations  
 CC responsible for genetic disorders or other traits to assess biodiversity  
 CC and to produce other types of data and products dependent on DNA and  
 CC amino acid sequences. ABG00010-ABG30377 represent novel human  
 CC diagnostic amino acid sequences of the invention.  
 CC Note: The sequence data for this patent did not appear in the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.

XX Sequence 1597 AA:

SQ Query Match 58.5%; Score 2442.5; DB 22; Length 1597;

Best Local Similarity 61.6%; Pred. No. 2,1e-247; Matches 467; Conservative 70; Mismatches 64; Indels 157; Gaps 3;

34 NGGSSNSHLLDLDEPIPGVGTDDFTIDVVRCKDREHRRIRNSKKESAMEMTK 93  
 997 NGGIGSSNRIMDFLEPIPGVGTDDFTIDVVRCKDREHRRIRNSKKESAMEMTK 1041  
 94 SLVDAMSGMLVTLTGASALAGLIDADMMTDLKEGICLSALWYNHQCCGMSNETT 153  
 1042 ----- 1041  
 154 FEERDKCPQKWTAEILIGQEGPSYIMNYIMYIFWALSFAFLAVSLVVFAPYACSG 213  
 1042 -----EGAFATVYVPMVLMALLFAFLAVSLVVFAPYACSG 1080  
 214 IPEIKTILSGFIIRGYLGMTLMKITTLLVLAASGLCKEGPLVHVAACCCGNTSYLF 273  
 1081 IPEIKTILSGFIIRGYLGMTLMKITTLLVLAASGLCKEGPLVHVAACCCGNTSYLF 1140  
 274 PKSTNEAKKREVLASASAGVAVGAPIGLGFLEESYSEFPKLTMRSEFALVAA 333  
 1141 NKTRKNEAKREVLASASAGVAVGAPIGLGFLEESYSEFPKLTMRSEFALVAA 1200  
 334 FVLRSINPEGNSRLVLYVEYHPTWYLFELFPIILGVFGGLWGAFFIRANIMACRRRS 393  
 1201 FTLRSINPEGNSRLVLYVEYHPTWYLFELFPIILGVFGGLWGAFFIRANIMACRRRS 1260  
 394 TKFGKIPVLEVIIVAAITAVIAFPNPYTRLNSELKEFTDCGPLESSSLCDYRDMNA 453  
 1261 TOLGKYPVLEVIIVAAITAVIAFPNPYTRLNSELKEFTDCGPLESSSLCDYRDMNA 1320  
 454 SKVDDIPDPBAGIGVYSATIMOLCALIFKIMTVFFEGFKVPSGLFIPMAGATAGRI 513  
 1321 SK-GGEIPDPBAGIGVYSATIMOLCALIFKIMTVFFEGFKVPSGLFIPMAGATAGRI 1379  
 514 VGIABOLAYHHDFEIEFKWCEVADCTIPGLYAMVGAACAGTVMVSLVIVFEL 573  
 1380 LGVGMGLAYHHDFEIEFKWCEVADCTIPGLYAMVGAACAGTVMVSLVIVFEL 1422  
 574 TGLLEYIVPLMAAVMTSKWVGDAFGRBGIYEAHIRLNGYFPLDAKEEFTHTTAAVMP 633  
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 634 RRNDPPLAVLTODMTVDIENMINETSYNGFPVMSKESORLVGALRDLTIAIESAR 693  
 1440 RRNDPPLAVLTODMTVDIENMINETSYNGFPVMSKESORLVGALRDLTIAIESAR 1499  
 694 KKEGIVGSSRVCFAOHTSLPAESPRPLKRLSILMSPTVTDHPTMETIVDIFKRLGL 753  
 1500 KKDDGVVSTSIYFTESPLRPYTPPLTKLRNILDSPFTVLDLPMELIVDIFKRLGL 1559  
 754 RCLVTHNGRLGLITTKDLRHMMAOTANODPASIMFN 791

DB 1560 RCLVTHNGRLGLITTKDLRHMMAOTANODPASIMFN 1597

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ID ABG19902 standard; Protein; 1597 AA.

ABG19902;

DT 18-FEB-2002 (first entry)

DE Novel human diagnostic protein #19893.

KW Human; chromosome mapping; gene mapping; gene therapy; forensic;

KW food supplement; medical imaging; diagnostic; genetic disorder.

OS Homo sapiens.

PN WO200175067-A2.

PD 11-OCT-2001.

PF 30-MAR-2001; 2001WO-US08631.

PR 31-MAR-2000; 2000US-0540217.

PR 23-AUG-2000; 2000US-0649167.

PA (HYSE-) HYSEQ INC.

PI Dmanac RT, Liu C, Tang YF;

PI WPI: 2001-639362/73.

DR N-PSDB; AAS84089.

PT New isolated polynucleotide and encoded polypeptides, useful in

PT diagnostics, forensics, gene mapping, identification of mutations

PT responsible for genetic disorders or other traits and to assess

PT biodiversity

PS Claim 20: SEQ ID No 50261; 103pp; English.

XX The invention relates to isolated polynucleotide (I) and

XX polypeptide (II) sequences. (I) is useful as hybridisation probes,

XX polymerase chain reaction (PCR) primers, oligomers, and for chromosome

XX and gene mapping, and in recombinant production of (II). The

XX polynucleotides are also used in diagnostics as expressed sequence tags

XX for identifying expressed genes. (I) is useful in gene therapy techniques

XX to restore normal activity of (II) or to treat disease states involving

XX (II). (II) is useful for generating antibodies against it, detecting or

XX quantitating a polypeptide in tissue, as molecular weight markers and as

XX a food supplement. (II) and its binding partners are useful in medical

XX imaging of sites expressing (II). (I) and (II) are useful for treating

XX disorders involving aberrant protein expression or biological activity.

XX The polypeptide and polynucleotide sequences have applications in

XX diagnostics, forensics, gene mapping, identification of mutations

XX responsible for genetic disorders or other traits to assess biodiversity

XX and to produce other types of data and products dependent on DNA and

XX amino acid sequences. ABG00010-ABG30377 represent novel human

XX diagnostic amino acid sequences of the invention.

XX Note: The sequence data for this patent did not appear in the printed

XX specification, but was obtained in electronic format directly from WIPO

XX at ftp.wipo.int/pub/published\_pct\_sequences.

XX Sequence 1597 AA:

SQ Query Match 58.5%; Score 2442.5; DB 22; Length 1597;

Best Local Similarity 61.6%; Pred. No. 2,1e-247; Matches 467; Conservative 70; Mismatches 64; Indels 157; Gaps 3;

34 NGGSSNSHLLDLDEPIPGVGTDDFTIDVVRCKDREHRRIRNSKKESAMEMTK 93  
 997 NGGIGSSNRIMDFLEPIPGVGTDDFTIDVVRCKDREHRRIRNSKKESAMEMTK 1041

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QY 94 SLIDAMSGWLVLITGLASGALGLIDIAADWMTDLKEGICLSALWYNHEOCWGSNETT 153
Db 1042 ----- 1041
QY 154 FEERDKCPQKMTWALLIGAEFGSYIMNYIMTFALSFAPLAVSLVKVAFYACGSG 213
Db 1042 -----EGAFAYIVNFMVYVALLFAFLAVSLVKVAFYACGSG 1080
QY 214 IPEIKTILSGFIIRGYLGKMTLMKTTTLVAVASGLSCKEGPLVAVACCGNIIFYLF 273
Db 1081 IPEIKTILSGFIIRGYLGKMTLMKTTTLVAVASGLSCKEGPLVAVACCGNIIFYLF 1140
QY 274 PKYSTNEAKKREVLASAASAGVSAFAGPIGVLFSLSEVSYFPLKTLMSFFALVAA 333
Db 1141 NKRYKRNKAKRREVLASAASAGVSAFAGPIGVLFSLSEVSYFPLKTLMSFFALVAA 1200
QY 334 FVLRSINPFGNSRLVLFVEYHPWYLFELPFLILGVFGGLGCAFTIRANIMCRRRKS 393
Db 1201 FTLRKSNIPFGNSRLVLFVEYHPWYLFELPFLILGVFGGLGCAFTIRANIMCRRRKT 1260
QY 394 TKFGKYPVLEVIIVAAITVAVIAPNPYTRLNTSELKELFTDGLPSSSLCDYRNDMA 453
Db 1261 TOLGKYPVLEVIIVAAITVAVIAPNPYTRLNTSELKELFTDGLPSSSLCDYRNDMA 1320
QY 454 SKIVDDIPDRPAGIGVYSAIMQCLALIFKIMTVFTFGIKVPSGLFIPSMALGAIAGRI 513
Db 1321 SK-GEGLPDRPAGIGVYSAIMQCLALILKIVITIFFGKIKIPSGLIPSMALGAIAGRL 1379
QY 514 VGLAVEDELATYHHDMFFEKCEYEGADCTIPGLYAMGAACLGCVRTVSLVIVFEL 573
Db 1380 LGVMEGLATYHHDMFFEKCEYEGADCTIPGLYAMGAACLGCVRTVSLVIVFEL 1422
QY 574 TGLLEYIVPLMAAVMTSKWVGDAFREGIYEAHIRLNGYFPLDAKEPFTHTLAADVMR 633
Db 1423 -----AKEPFAKHTLAMDMKRP 1439
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Db 1440 RRNDPLAVITQDNMTVDIENMINETSYNGFPYIMSKESORLVGALRDLTAIESAR 1499
QY 694 KKEGIVSSRVCFAOHTPSPALPSPRLKRLSTLDMSPFTYDHTMEIVDIFRKLGL 753
Db 1500 KKEGIVSSRVCFAOHTPSPALPSPRLKRLSTLDMSPFTYDHTMEIVDIFRKLGL 1559
QY 754 RQCLVTHNGRLGLITTKDILRHMACTANODPASIMFN 791
Db 1560 RQCLVTHNGRLGLITTKDILRHMACTANODPASIMFN 1597

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XX (HYSE-) HYSEQ INC.
PA Drmanac RT, Lin C, Tang YT;
PI WPI; 2001-639362/73.
XX N-PSDB; AAS72071.
DR New isolated polynucleotide and encoded polypeptides, useful in
PT diagnostics, forensics, gene mapping, identification of mutations
PT responsible for genetic disorders or other traits and to assess
PT biodiversity.
XX Claim 20; SEQ ID NO 38243; 103pp; English.
XX The invention relates to isolated polynucleotide (I) and
CC polypeptide (II) sequences. (I) is useful as hybridisation probes,
CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome
CC and gene mapping, and in recombinant production of (II). The
CC polynucleotides are also used in diagnostics as expressed sequence tags
CC for identifying expressed genes. (I) is useful in gene therapy techniques
CC to restore normal activity of (II) or to treat disease states involving
CC (II). (II) is useful for generating antibodies against it, detecting or
CC quantitating a polypeptide in tissue, as molecular weight markers and as
CC a food supplement. (II) and its binding partners are useful in medical
CC imaging of sites expressing (II). (I) and (II) are useful for treating
CC disorders involving aberrant protein expression or biological activity.
CC The polypeptide and polynucleotide sequences have applications in
CC diagnostics, forensics, gene mapping, identification of mutations
CC responsible for genetic disorders or other traits to assess biodiversity
CC and to produce other types of data and products dependent on DNA and
CC amino acid sequences. ABG00010-ABG30377 represent novel human
CC diagnostic amino acid sequences of the invention.
CC Note: The sequence data for this patent did not appear in the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pcl_sequences.
XX
SQ Sequence 1599 AA:
Query Match 58.5%; Score 2442.5; DB 22; Length 1599;
Best Local Similarity 61.6%; Pred. No. 2.1e-247;
Matches 467; Conservative 70; Mismatches 64; Indels 157; Gaps 3;
QY 34 NGGINSSTLLDLDPDPGVGTGDTHTIDWYRECKRERRRINSKKESAWEMTX 93
Db 999 NGGIGSSNNIMPLBEPDIPGVGTGDTHTIDWYRECKRERRRINSKKESAWEMTX 1043
QY 94 SLIDAMSGWLVLITGLASGALGLIDIAADWMTDLKEGICLSALWYNHEOCWGSNETT 153
Db 1044 ----- 1043
QY 154 FEERDKCPQKMTWALLIGAEFGSYIMNYIMTFALSFAPLAVSLVKVAFYACGSG 213
Db 1044 -----EGAFAYIVNFMVYVALLFAFLAVSLVKVAFYACGSG 1082
QY 214 IPEIKTILSGFIIRGYLGKMTLMKTTTLVAVASGLSCKEGPLVAVACCGNIIFYLF 273
Db 1083 IPEIKTILSGFIIRGYLGKMTLMKTTTLVAVASGLSCKEGPLVAVACCGNIIFYLF 1142
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Db 1143 NKRYKRNKAKRREVLASAASAGVSAFAGPIGVLFSLSEVSYFPLKTLMSFFALVAA 1202
QY 334 FVLRSINPFGNSRLVLFVEYHPWYLFELPFLILGVFGGLGCAFTIRANIMCRRRKS 393
Db 1203 FTLRKSNIPFGNSRLVLFVEYHPWYLFELPFLILGVFGGLGCAFTIRANIMCRRRKT 1262
QY 394 TKFGKYPVLEVIIVAAITVAVIAPNPYTRLNTSELKELFTDGLPSSSLCDYRNDMA 453
Db 1263 TOLGKYPVLEVIIVAAITVAVIAPNPYTRLNTSELKELFTDGLPSSSLCDYRNDMA 1322
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Db	1382	LGVEGMDLLVYHDEMVFNSMCSQGADCTPGIYAAVGAACL-----	1424
Qy	574	TGGLETVPLMAAVMTSKMWGAFAGEGIEAHIRLNGVPEFLAKEFEETTLAADVMP	633
Db	1425	-----AKEEFAHKTLLAMDVKP	1441
Qy	634	RRNDPLAVLTODNMTVDDIENMINETSYNGFVIMSKESQRLVGFALRRDLTIAIESAR	693
Db	1442	RRNDPLAVLTODSMVEVEVETIISTTSGCFYVVSRESQRLVGFALRRDLTIAIENAR	1501
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Db	1502	KKQGVVSTSIITYFEHSPPLPYTPPTLKLRLNIDLSPFTVDTLPMETIVDIFRKLGL	1561
Qy	754	ROCLVTHNGRLGIITKKDLRLHMACTAODPASIMFN	791
Db	1562	ROCLVTHNGRLGIITKKDVLKHAQMANODPDSILFN	1599
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ABGI	14450		
ID	ABGI4450	standard: Protein; 1599	AA.
XX	ABGI4450;		
XX	18-FEB-2002	(first entry)	
XX	DE	Novel human diagnostic protein #14441.	
XX	Human; chromosome mapping; gene mapping; gene therapy; forensic;		
XX	Food supplement; medical imaging; diagnostic; genetic disorder.		
XX	Homo sapiens.		
XX	WO200175067-A2.		
XX	11-OCT-2001.		
XX	30-MAR-2001; 2001WO-US08631.		
XX	31-MAR-2000; 2000US-0540217.		
XX	23-AUG-2000; 2000US-0649167.		
XX	(HYSE-) HYSEQ INC.		
XX	Dmanac RT, Liu C, Tang YT;		
XX	WPI, 2001-639362/73.		
XX	N-PSDB: AAS78637.		
XX	New isolated polynucleotide and encoded polypeptides, useful in		
XX	diagnostics, forensics, gene mapping, identification of mutations		
XX	responsible for genetic disorders or other traits and to assess		
XX	biodiversity		
XX	Claim 20; SEQ ID No 44809; 103pp; English.		
XX	The invention relates to isolated polynucleotide (I) and		
XX	polypeptide (II) sequences. (I) is useful as hybridisation probes,		
XX	polymerase chain reaction (PCR) primers, oligomers, and for chromosome		
XX	and gene mapping, and in recombinant production of (II). The		
XX	polynucleotides are also used in diagnostics as expressed sequence tags		
XX	for identifying expressed genes. (I) is useful in gene therapy techniques		
XX	to restore normal activity of (II) or to treat disease states involving		
XX	(II). (II) is useful for generating antibodies against it, detecting or		
XX	quantitating a polypeptide in tissue, as molecular weight markers and as		
XX	a food supplement. (II) and its binding partners are useful in medical		
XX	imaging of sites expressing (II). (I) and (II) are useful for treating		
XX	disorders involving aberrant protein expression or biological activity.		

[illegible]

AC ABG09148;  
 XX 13-FEB-2002 (first entry)  
 XX  
 DE Novel human diagnostic protein #9139.  
 XX  
 KM Human; chromosome mapping; gene mapping; gene therapy; forensic;  
 KW food supplement; medical imaging; diagnostic; genetic disorder.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200175067-A2.  
 PD 11-OCT-2001.  
 XX  
 PF 30-MAR-2001, 2001WO-US08631.  
 XX  
 PR 31-MAR-2000, 2000US-0540217.  
 PR 23-AUG-2000, 2000US-0649167.  
 XX  
 PA (HYSE-) HYSEQ INC.  
 XX  
 PI Drmanac RT, Liu C, Tang YT;  
 DR MPI: 2001-639362/73.  
 DR N-PSDB; AAS73335.  
 XX  
 PT New isolated polynucleotide and encoded polypeptides, useful in  
 PT diagnostics, forensics, gene mapping, identification of mutations  
 PT responsible for genetic disorders or other traits and to assess  
 PT biodiversity.  
 PT  
 PS Claim 20; SEQ ID No 39507; 103pp; English.  
 XX  
 CC The invention relates to isolated polynucleotide (I) and  
 CC polypeptide (II) sequences. (I) is useful as hybridisation probes,  
 CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
 CC and gene mapping, and in recombinant production of (II). The  
 CC polynucleotides are also used in diagnostics as expressed sequence tags  
 CC for identifying expressed genes. (I) is useful in gene therapy techniques  
 CC to restore normal activity of (II) or to treat disease states involving  
 CC (II). (II) is useful for generating antibodies against it, detecting or  
 CC quantitating a polypeptide in tissue, as molecular weight markers and as  
 CC a food supplement. (II) and its binding partners are useful in medical  
 CC imaging of sites expressing (II). (I) and (II) are useful for treating  
 CC disorders involving aberrant protein expression or biological activity.  
 CC The polypeptide and polynucleotide sequences have applications in  
 CC diagnostics, forensics, gene mapping, identification of mutations  
 CC responsible for genetic disorders or other traits to assess biodiversity  
 CC and to produce other types of data and products dependent on DNA and  
 CC amino acid sequences. ABG00010-ABG30377 represent novel human  
 CC diagnostic amino acid sequences of the invention.  
 CC Note: The sequence data for this patent did not appear in the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pcl\_sequences.  
 XX  
 SQ Sequence 1784 AA;  
 Query Match 58.5%; Score 2442.5; DB 22; Length 1784;  
 Best Local Similarity 61.6%; Pred. No. 2.5e-247;  
 Matches 467; Conservative 70; Mismatches 64; Indels 157; Gaps 3;  
 OY 34 NGGSINSTHLDLDEPTPGVGYDPTIDVRECKDRERHRRINSKRESAWEMTK 93  
 DB 1184 NGGSISSNRIMDFLEPIPGVGTIDPTIDVREKSRDRHR----- 1228  
 OY 94 SLVDANSGLVLTGLASAGLAGLIDAADWMTDLKEGICISALWYHNEQCGWSENETT 153  
 DB 1229 ----- 1228  
 OY 154 FEERDKCPQKWTWELLIGAEGRGSYIMNYIMYIFMALSFALVSLVKVFAPYACGSG 213  
 DB 1229 -----BGAFAIVNYEMVLTWALLFLAVSLVKVFAPYACGSG 1267

OY 214 IPEIKTILSGFIIRGYLGMKMTLMIKTITLVLAVASGLSGKEGPLVHVACCCGNIFFSLF 273  
 DB 1268 IPEIKTILSGFIIRGYLGMKMTLVKITTLLVAVSSGLSGKEGPLVHVACCCGNIILCHF 1327  
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 DB 1328 NKYRKNEAKRREVLASAAGSVAFGAPITGVLFSLSEVSYFFPLKTLRSPFALVAA 1387  
 OY 334 FVLRSINPFGNSRLVLFYVEYHTPMWLFELFPFILLGVEGGINGAFIRANIAMCRKRKS 393  
 DB 1388 FTLRSINPFGNSRLVLFYVEYHTPMWLFELFPFILLGVEGGINGAFIRANIAMCRKRKT 1447  
 OY 394 TKEGKYPVLEVIIVAAITAVIAFPNPYRLNTSELKELFTDCGPLSSSLCDVRRDMA 453  
 DB 1448 TOLGKYVIEVLVYATITALLAFPNETRNSTSELSELNDCGLDSSKLCDYENEFNT 1507  
 OY 454 SKIVDDIPDRPAGIGVYSAIMODLALIFKILMTVFEGIKVPSGLFIPMAIGALAGRI 513  
 DB 1508 SK-CGELPDRPAGVGYSAIMODLALILKIVITIFTFGKIPSGLFTPSMAVGAIGRL 1566  
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 DB 1567 LGVMEQLATYHDEWTFVNSWCSOGADCIIPGLYAMGAACL----- 1609  
 OY 574 TGGLEYIVPLMAAVMTSKWVGDAFREGIYEAHIRLNGYPFLLAKKEBEFTTTLAADVMP 633  
 DB 1610 -----AKEEFAKTLAMDVMP 1626  
 OY 634 RRNDPLAVLTODNMVYDLENNINETSNGFPVIMSKESQRLVGFLRDLTATIESAR 693  
 DB 1627 RRNDPLTFLVTDOSMVEDEVETISETTSGFPVYVSRESQRLVGFLRDLTATIESAR 1686  
 OY 694 KKEBGIVSSRVCFAOHTPELPAESRPLKRLSLDMSPTVVDHPTMETVDFRKLGL 753  
 DB 1687 KKEBGIVSSRVCFAOHTPELPAESRPLKRLSLDMSPTVVDHPTMETVDFRKLGL 1746  
 OY 754 RCLVTHNGRLGIITRKDLIRHMACTANODPASIMFN 791  
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 ID ABB61396 standard; Protein; 732 AA.  
 XX  
 AC ABB61396;  
 XX  
 DT 26-MAR-2002 (first entry)  
 XX  
 DE Drosophila melanogaster polypeptide SEQ ID NO 10980.  
 KW Drosophila; developmental biology; cell signalling; insecticide;  
 KW pharmaceutical.  
 XX  
 OS Drosophila melanogaster.  
 XX  
 PN WO200171042-A2.  
 PD 27-SEP-2001.  
 XX  
 PF 23-MAR-2001; 2001WO-US09231.  
 XX  
 PR 23-MAR-2000; 2000US-191637P.  
 PR 11-JUL-2000; 2000US-0614150.  
 XX  
 PA (PERE ) PE CORP NY.  
 XX  
 PI Venter JC, Adams M, Li PWD, Myers EW;  
 DR MPI: 2001-656860/75.  
 DR N-PSDB; ABL05499.  
 XX





Fri May 16 14:42:33 2003

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Page 14

Search completed: May 12, 2003, 15:02:58  
Job time : 96 secs

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